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BEKA SCHRÉDER UNVEILS NEW SUSTAINABLE FACILITY

BEKA Schröder, a leading manufacturer of outdoor LED lighting solutions in Africa, officially opened its new head office and factory at Twenty One Industrial Estate in Olifantsfontein on 5 September. This modern space reflects the company's ongoing commitment to sustainability, innovation, and collaboration as it continues to lead the industry in providing smart and energy-efficient lighting solutions, positioning BEKA Schröder for continued growth across Africa.

A modern facility for growth

The new premises bring all business units closer together, enhancing teamwork, engagement, and operational excellence. With optimised material flow and a redesigned pole factory assembly process, the company is set to reduce lead times while further improving product quality.

"Our new facility is not just a building; it's a cornerstone for the future," said Daniel Kasper, regional director South & Sub-Saharan Africa of BEKA Schröder. "By creating a modern, sustainable, and customer-focused environment, we are strengthening collaboration, driving innovation, and preparing for the next phase of growth in Africa."

Sustainability at the core

Sustainability is a defining feature of the new facility. Overall energy consumption has been reduced by 50% compared to the previous premises, thanks to the integration of smart lighting systems, motion sensors, and a high-efficiency HVAC system. Supporting these savings is a solar energy system that provides clean, renewable power for daily operations, further reducing the carbon footprint.

"This investment demonstrates our dedication to environmental responsibility," added Kasper. "It shows how sustainability can be embedded into every part of our operations, from the way we design products to the way we run our facilities."

Enhanced customer engagement

The facility includes a newly designed showroom and customer engagement area, providing an interactive space to showcase solutions. A larger conference and training facility enables BEKA Schröder to host more frequent workshops, training sessions, and industry events, strengthening relationships with customers and partners.

Looking ahead

The investment in modern infrastructure, covering IT systems, office layouts, testing and measurement capabilities, and renewable energy, ensures that BEKA Schröder remains competitive while maintaining its strong local manufacturing footprint. The facility is designed to support long-term growth, prioritise local content, and safeguard job creation.

BEKA Schröder extends its sincere gratitude to its longstanding partners and shareholders for their trust



and continued support, which have been instrumental in reaching this milestone.

Enquiries: info@beka-schreder.co.za

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...energy measurement doesn't just monitor use; it unlocks opportunities for cost savings and sustainability.

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Product Code: G12T4A63



Schneider GoPact Molded Case Circuit Breaker 125A Adjustable

R1 588 00

Product Code: G12F3A125



LS Moulded Case Circuit Breaker 3 Pole 300A

R5 030 63

Product Code: E0001913



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Sungrow Smart Energy Meter 3 Phase

R5 900 00

Product Code: T0004956

LIGHTING



SMART+ WiFi Classic Multicolour

R135 00

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SMART+ WiFi Classic Tunable White

R120 00

Product Code: J0080215

SMART+ WiFi SPOT GU10 Tunable White

R150 00

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As the demand for smarter, more efficient industrial systems grows, the role of Motor Control Centres (MCCs) and energy measurement solutions becomes ever more critical. These foundational components are no longer just hardware; they are at the heart of safe, sustainable, and data-driven operations, according to Voltex.

MCCs: the nerve centre of motor control

Modern MCCs are central to safe motor operation and streamlined plant performance. Gone are the days of basic switchgear; today's MCCs offer integrated motor protection, communication interfaces, and diagnostics. This allows real-time monitoring and fault detection, reducing downtime and extending equipment life.

When paired with advanced motor protection devices, MCCs help mitigate risks such as overloads, phase failure, or overheating. This is vital in high-demand environments, where motors drive everything from pumps and conveyors to HVAC systems and compressors. A single fault can cost thousands in lost production, making reliable protection a necessity, not a luxury.

Measuring what matters: energy insight

Understanding how and where energy is consumed is the first step towards improving efficiency. That's why energy measurement tools, from basic energy meters to smart multi-function analysers, are increasingly being adopted across commercial and industrial sites.

These systems offer granular insight into power quality, peak demand, consumption patterns, and inefficiencies. Businesses can identify wastage, manage load profiles, and even participate in demand-side response initiatives. In short, energy measurement doesn't just monitor use; it unlocks opportunities for cost savings and sustainability.

The future of supply: intelligent infrastructure

"At Voltex, we know that power supply isn't just about availability; it's about reliability, quality, and smart distribution," the company said. "From surge protection to voltage regulation, our supply solutions ensure that systems are always powered, protected, and performing optimally."

Whether it's an MCC keeping motors safe or an energy meter helping you track every kilowatt, the path to smarter energy use begins with better infrastructure. Voltex is proud to offer a comprehensive range of solutions that enable safe control, accurate measurement, and uninterrupted power supply. Because in today's world, power is precision.

Enquiries: www.voltex.co.za



On the bright side



It's difficult not to feel overwhelmed by the depressing nature of the news these days. Whilst the sports pages have been mostly bearable (depending on your interests), political and economic forecasts

remain undeniably pessimistic. However, it's not all doom and gloom. There are genuinely inspirational stories out there, particularly within our industry.

Take our profile on page 16, where Vincent Kamogelo from LESCO Manufacturing shares his journey from quality controller to production manager. After 15 years of perseverance through numerous challenges, he's now fulfilling his potential whilst helping others, especially disabled colleagues, grow within the industry.

Equally inspiring was last month's opening of the new BEKA Schröder head office in Gauteng, featured as this month's Sparks cover story. The well-attended event drew delegates from local government and even international partners, and I was lucky enough to crack an invite. The overwhelmingly positive messages on the day showcased local excellence and the company's commitment to living its brand

values, as evidenced by its sustainable new premises. When daily headlines focus on job losses, it's refreshing to find a company investing locally.

The story of the African Blessings Children's Village also particularly moved me. Industry partners donated a solar installation to improve both quality of life and safety for the children in their care (read more on page 4). It's heartwarming to see our industry giving back to those most in need.

The October edition is packed with positive stories and opportunities to improve your knowledge. Our feature focus this month includes MCCs & Motor Protection; Energy Measurement & Supply, and Lighting.

Discover how HellermannTyton is expanding its product portfolio with the HIKMICRO thermal imaging range (page 6) and how smart MCCs can transform South African manufacturing operations (page 7).

On page 11, Sungrow shares more on how energy storage will make or break SA's renewable transition.

In our Lighting section, you can read more about Aurora Lighting Africa's new Commander LED strip range (page 13), gather outdoor lighting tips from Radiant Lighting (page 14), and discover the award-winning lighting ranges Eurolux brings to the local market (page 15).

What positive news is happening in your world?

I'm always looking for new stories, so feel free to drop me an email if you have something to share.

For now, happy reading!

Ilana Koegeleberg
sparks@crown.co.za

Comtest wows channel partners

Spotlights, rock anthems, and a full house at the Barnyard Theatre – that's how Comtest, together with Fluke, set the stage for an unforgettable afternoon as they welcomed over 80 channel partners to their annual celebration of excellence. The event took place on 20 August at Emperor's Palace in Johannesburg.

This wasn't your typical corporate meeting. The annual gathering's goal was to celebrate Comtest's incredible stakeholders, share the latest product knowledge, and recognise excellence – delivered with plenty of energy, excitement, and entertainment!

On the day, Barend Niemand, Comtest Group CEO, shared how the company is embracing change and reinventing itself to become a South African market leader. "Our mission is clear," he said. "We're all about service excellence – from customer support to warehousing, the accounts team, and ultimately, our amazing sales crew."

Niemand emphasised that teamwork and high ethical standards are the secret ingredients to achieving these goals. "When we work together and stay true to our values, everyone wins – customers, suppliers, employees, and shareholders alike."

And the results speak for themselves. Since 2022, Comtest has been smashing records, with projections for 2025 set to once again outpace South Africa's Gross Domestic Product (GDP). Niemand gave a special shoutout to Brolin Moonsamy (Fluke South Africa) and Kristo Engelbrecht (Fluke Africa) in his address for their ongoing support.

Looking even further ahead to 2026, Comtest plans to focus on business partners who share their vision; partners who see Comtest as a trusted ally and want to make a real impact in their own markets while growing together. These are the partners who go the extra mile for end-users and embrace Comtest's "Go-to-Market" model.

Guests also got a peek at Fluke's latest technologies, including the 2052/2062 cable finders, the Fluke

iSee mobile thermal camera, the SB140 sound beacon for the motor and aviation industries, and the 729 PRO pressure calibrator, just a few highlights on display from a line-up packed with innovation.

Awards

The following channel partners received awards at the event:

- **Legacy Partner Award:** Tycom
- **Best New Partner:** Top Dog Tool Shop
- **Best Electrical Wholesaler:** Adendorff Machinery Mart
- **Best Overall Performing Channel Partner:** Bolt and Engineering

The Best Performing Regional Partners were:

- **North West:** Voltex Rustenburg
- **Mpumalanga:** Bolt and Engineering
- **Gauteng:** Communica
- **Vaal Triangle:** Corel Instrumentation & Controls
- **KwaZulu-Natal:** Magnet Electrical Supplies
- **Limpopo:** JPC Wholesaler
- **Western Cape:** L&D Electrical

The Extra Mile Award in each region went to:

- **Vaal Triangle:** Corel Instrumentation & Controls
- **North West:** Applecon
- **Limpopo:** Giant Marketing
- **Mpumalanga:** HMF Technologies
- **KwaZulu-Natal:** Magnet Electrical Supplies
- **Gauteng:** Lamba Automation
- **Western Cape:** Technosales

Finally, Niemand saluted "The A-Team", better known as Comtest's rockstar sales team, who've visited over 2,000 end-users, running demos, training sessions, commissioning advanced diagnostic tools, and hosting technology days.

And with the serious business wrapped up, the lights dimmed, the amps turned up, and guests tucked into lunch while rocking out to Barnyard's "More Than a Feeling" show, a perfect finale to a day of recognition, camaraderie, and celebration.

Enquiries: www.comtest.co.za





Smarter cable management starts with Three-D Agencies

When you consider the importance of cable neatness, safety, and durability, the simple cable tie is an essential part of any installation. Three-D Agencies proudly distributes SapiSelco cable ties. These are designed for great performance in many applications, such as industrial machinery, renewable energy projects, and mining setups. Their reliability, quality, and variety make them a popular choice for professionals throughout South Africa.

What are SapiSelco cable ties?

SapiSelco is an Italian manufacturer that has been around since 1950. They design and produce a complete range of cable ties. The key feature of SapiSelco ties is their durability. They are made from high-quality materials like halogen-free and silicon-free polyamide 6.6. These ties resist ageing, keep a strong grip over time, and come in various finishes.

Designed for South African conditions

South Africa's tough environments need cable ties that can last. Intense sunlight, temperature changes, dust, and coastal air can wear out regular products. That's why SapiSelco provides UV-stabilised, self-extinguishing ties designed for long-lasting strength and dependability, even in the harshest conditions.

Their resistance to chemicals and temperature makes them ideal for industrial plants, outdoor renewable energy projects, and coastal infrastructure. By choosing SapiSelco cable ties, South African professionals can lower maintenance costs and prevent potential failures caused by environmental stress.

Ideal use cases for SapiSelco cable ties

These include:

- **General wiring management:** Standard SapiSelco nylon ties, ranging from 75 mm to 1,600 mm and with a tensile strength of up to 120 kg, are great for workshops, electrical panels, and communication enclosures. They offer a secure, tidy, and durable solution for everyday wiring needs.
- **Harsh outdoor environments:** UV-stabilised, halogen-free ties can handle sun, salt, and heat cycles, making them suitable for solar farms, mining operations, and coastal installations where regular ties would break down.
- **Re-use or adjustment required:** Releasable or re-openable ties are made for installations that may need regular changes, repairs, or upgrades. This flexibility is valuable in dynamic settings, such as temporary setups at events or changing production lines.
- **Safety-sensitive installations:** Fire-retardant or detectable blue ties are important for cleanrooms, food-processing areas, and other places where following safety rules is essential.

Accessories for complete control

Pairing cable ties with the right accessories improves organisation and security.

- **Cable mounts and saddles:** Self-adhesive pads and saddle supports ensure neat and secure routing, even on curved or vibrating surfaces.
- **Marker cable ties and ID cable ties:** Colour-coded and marked heads help with cable identification and circuit mapping.

- **Accessory buckets and cable accessory kits:** Assorted sets with various lengths and colours offer flexibility on-site, making sure you have the right tie for any task.

Three-D Agencies' Advantage in South Africa

As a trusted distributor of SapiSelco products, Three-D Agencies offers a full range of cable tie options, including UV-stabilised standard ties and premium variants with special features.

With a local presence and technical support, Three-D Agencies provides expert advice tailored to South African conditions. Its competitive stock levels ensure that project deadlines are met without compromise, and its team can recommend the best solution for each environment.

Cable ties may seem small, but they play a vital role in safety, compliance, and long-term system reliability. SapiSelco cable ties are made from high-quality materials and are tested to strict standards. They are ready to handle the toughest challenges, whether indoors or outdoors.

"At Three-D Agencies, we go beyond supplying products. We offer solutions that meet local needs," the company said. "Whether you need UV-stable ties for solar farms, fire-retardant options for schools or cleanrooms, or adjustable ties for manufacturing lines, we help secure your installations with confidence and ensure compliance with industry standards, because every connection matters."

Enquiries: www.three-d.co.za



When purpose meets solar power



Unreliable electricity affects everything from a child's safety and medical care to a warm meal. This is no longer a daily reality at African Blessings Children's Village. An impactful collaboration between funders and solar partners has successfully installed a solar energy system at the village, flipping the switch to a brighter future – not only for its children but for the broader community it serves.

Before their solar energy installation, African Blessings Children's Village, home to vulnerable children and their dedicated foster parents, faced disheartening energy challenges: frequent power outages, unreliable infrastructure, and rising electricity costs. Each blackout disrupted studies, security, healthcare and daily life – the very foundations of care for their children.

African Blessings relied on a diesel generator costing up to R600 per hour to run. Power failures were common, not just during scheduled loadshedding, but due to weak infrastructure and weather damage.

"We had to make difficult choices every day," says Melanie Tymvios of African Blessings. "Do we run the generator and spend precious funds, or do we shut it down and compromise on security, lighting, and care? That meant no electric fencing, no security cameras, and torchlight care for sick children."

Better care for more children

The new solar installation at African Blessings – made possible through funding

from the Komatsu Foundation Trust in partnership with Candi Solar and their channel partners, Innova Energy Solutions and Nuvo Energy – has brought more than just electricity.

The shift to solar has brought much-needed consistency and financial relief. Lights stay on. Security systems stay active. Classrooms stay connected. The village can now deliver uninterrupted, 24-hour care.

"In today's world, three fundamentals are needed to be able to live a sustainable and productive life: electricity, water and internet. With access to all three being so inconsistent in our country, it is important to ensure one's independence in these areas," explains Sheldon Oosthuizen from the board of directors at African Blessings. "With the help of Candi and the Komatsu Foundation Trust, African Blessings Children's Village is one giant step closer to achieving this independence."

The cost savings are substantial, with funds now being redirected toward essentials such as medication, groceries and staff salaries.

The solar plant also generates additional income that feeds back into better care for more children. It produces between 8,000 and 10,000 kilowatt-hours per month, covering all of the Children's Village energy needs. Any excess power generated is sold to an affiliated non-profit farm on the property called AfriFarm.

Solar power has brought the ability to

do more for more children. The village currently has ten completed homes, with two more scheduled to open over the next two years.

Impacting the community

The solar power impact extends beyond the children's village. African Blessings runs a range of outreach initiatives, including a sewing project that is expanding to employ members of the surrounding community as orders increase and a sustainable farming programme.

Reliable electricity is helping power irrigation systems, water pumps, and equipment essential to farming operations. This, in turn, supports food production for the village and teaches critical agricultural skills to residents and local partners.

As African Blessings continues to grow – welcoming more children, expanding its community programmes and building toward long-term sustainability – this solar installation shows what is possible through meaningful partnerships. When donors invest with purpose, and technology is guided by compassion, the results reach beyond the grid.

"This initiative is a true reflection of our commitment to 'walk the talk' – aligning our operations with the values we stand for. It's about making a real difference where it matters most," says Fabio Eucalipto, co-founder and finance director at Candi Solar.

Enquiries: www.candi.solar

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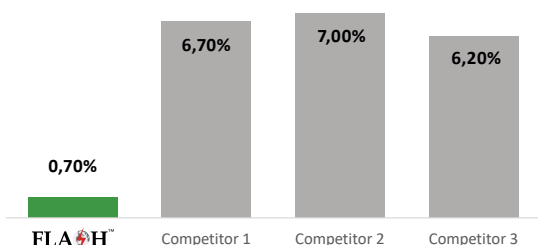
Flash floodlights remain the most reliable choice in demanding industrial and mining environments.

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This exceptional reliability keeps downtime and replacement costs to a minimum — exactly what industrial customers demand.

Total % Floodlights Returned

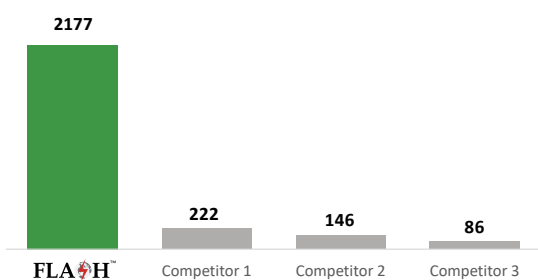


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The same report shows Flash Floodlights are not only more reliable — they're also the **preferred choice on site**:

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Patel Builders Mega Store (Pty)Ltd
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Patel Hardware (Hazyview)
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Patel Hardware Kamhlushwa
Main Road, **Kamhlushwa, Mpumalanga**, T: 076 117 2114

Patel Hardware Naas
Main Road, Naas Block C, **Naas, Mpumalanga**, T: 076 968 7606

Patel Hardware Nelspruit
9 Wier Cres, Riverside, Mbombela, **Nelspruit, Mpumalanga**, T: 013 591 5485

Georges Electrical Wholesalers
33b Mitchell Street, Lower Central, **Uitenhage, Eastern Cape**, T: 041 922 4766

All Paint And Hardware
111 Da Gama, Vasco Centre, **Jeffery's Bay, Eastern Cape**, T: 042 880 5050

Impala Discount Paint & Hardware Pty Ltd
175 Rietfontein Road, **Boksburg, Gauteng**, T: 011 823 3580

Manny's Hardware Supplies
Louisia Road, Brentwood Park, **Benoni, Gauteng**, T: 011 578 5600

Key Electrical Wholesalers Pty Ltd
640 Gallagher Avenue, **Halfway House Estate, Gauteng**, T: 011 315 4826

Jenroh Power Supplies CC
53 Knutzen Street, **Empangeni, Kwazulu-Natal**, T: 035 787 1027

AC Electrical & General Stanger
19 - 27 Hulett Street, **Stanger Central, Kwazulu-Natal**, T: 032 551 3521 / 032 551 3127

Polotech Electrical Supplies (Pty) Ltd
Shop 9, Polokwane Lifestyle Centre, Cnr Landros Mare Street & Market Street, **Polokwane Central**, T: 015 297 6136

Tryden G Electrical CC
22 Potgieter Street, **Wolmaransstad**, T: 066 247 3770

Bassa's Hardware & Builders Suppliers
920 Inanda Road, **Newlands East**, T: 031 577 8811

E-Line Electrical Wholesalers
71 Chris Hani Street, **Bethal**, T: 017 647 4378

Kwa-Mnqandi Mica Build
King Dinizulu Hwy, **Build Nongoma**, T: 035 831 0191

X11 General Dealer CC
Shop Number 2 Manyeleti Road, Near Viva Filling Station, **Hluvkani Bushbuckridge, Mpumalanga**, T: 082 222 3515

Umlazi Discount Hardware
1296 Prince Mcwayizeni Drive, **Umlazi V**, T: 031 907 0242

TT Electrical Wholesalers
63 Sutherland Street, **Mthatha**, T: 047 531 1796

Kings Hardware & Electrical

The Emporium Centre 8 Sandown Road, **Parklands**, T: 079 525 9031

Junction Store
G76 Thulare Park, Marapong, **Lephalale**, T: 073 422 3421

Leopardo Electrical CC
395 Huilboerboon Street Pick N Pay Centre, **Hoedspruit**, T: 605 047 939

Eagle Lighting (Pty) Ltd
1 Putter Road, **Muizenberg**, T: 015 880 2314

Magnet Electrical Supplies
Unit 38, Sunnyrock Park, **Germiston**, T: 011 397 7936

Dream Electrical
Unit 2a 55-61 Osborn Road, **Eshowe**, T: 078 600 6665

Macksons Supermarket
1 Market Lane, **Estcourt**, T: 036 352 4840

Alpha Electrical
41 Garland Street, **Ophirton**, T: 011 006 5352

Liteglo Elec Wholesalers
209 Bram Fischer Drive, **Randburg**, T: 011 781 3100

Twist Electrical Supplies CC
726 Presient Steyn Street, **Pretoria North**, T: 012 546 3246

Junk Hardware
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Dual Lighting
4 Spring Street & Autumn Streets, Sae Business Park **Middelburg**, T: 013 244 1528 / 013 - 244 1538

Burlec Electrical Distributors(Pty)Ltd
24 Wessels Road, **Ermelo**, T: 017 811 4450 / 819 5564

Motlakase Electrical
12 Station Road, **Mahikeng**, T: 018 381 2855

Dawoods Electrical
217 Retief Street, **Pietermaritzburg**, T: 033 342 7582

Brights Langebaan
Shop 1: Mykonos Crossing - Laguna Mall, **Langebaan, Western Cape**, T: 022 772 0977

Brights Blackheath
Van Riebeeck Road, **Blackheath, Western Cape**, T: 021 907 8200

Brights Blackheath
Tiber Road, Cnr Bottellary Road And, Cecil Morgan Drive, **Brackenfell, Western Cape**, T: 021 944 8200

Brights Montague Gardens
Ruby & Tanzanite Street - Montague Park (Opp New Makro), **Montague Gardens, Western Cape**, T: 021 155 4080

Brights Boston
87 12th Avenue, Boston, **Belville, Western Cape**, T: 021 949 9988

Brights Durbanville
Cnr Vatican & Athens Street, Uitzicht, **Durbanville, Western Cape**, T: 021 200 7900

Brights Mitchells Plain
Watergate Centre, Watergate Boulevard, Cnr R300 & Stock Road, **Mitchells Plain, Western Cape**, T: 021 204 0580

Brights Belville
87 12th Avenue, **Boston, Western Cape**, T: 021 949 9988

Brights Platteklouf
Shop No7, Platteklouf Village Shopping Centre, Platteklouf Road Parow, **Platteklouf, Western Cape**, T: 021 558 0502

Voltmax
102 College Road, Athlone, **Rylands, Western Cape**, T: 021 638 2400

Z.E.D.S
Shop4, Total Garage, Cnr Of Merrydale Street & Hazeldene **Portland, Western Cape**, T: 021 391 1421

Lk Electrical And Lighting
Shop 4 Roykers Centre, Cnr 4th Ave & Klipfontein Road, **Athlone, Western Cape**, T: 021 699 0367

Brights Richmond
C/O Southern Precinct, Tygerberg Valley Road, **Richwood, Western Cape**, T: 021 699 0367

Brights Stonewood
C/O Okavango Road, Stonowood Drive, **Western Cape**, T: 021 200 7900

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HellermannTyton expands product portfolio with HIKMICRO thermal imaging range

HellermannTyton, a leading manufacturer and distributor of high-quality products, has announced it will now officially stock and distribute HIKMICRO thermal camera imagers. The partnership sees the company adding a comprehensive range of thermal imaging equipment to its offering, targeting professionals across electrical, HVAC, and mechanical inspection sectors.

"We are excited to introduce this new range of thermal camera imagers to our customers, and we believe that these products will enhance our service offerings," the company said.

HIKMICRO specialises in thermal technology innovation and offers comprehensive solutions through advanced thermal modules and cameras. The thermal imaging devices are commonly used to monitor potential equipment failures, check

electrical systems and infrastructure, and identify leaks and inefficiencies in heating and cooling systems.

New series available

HellermannTyton will distribute six distinct HIKMICRO product ranges:

- **The Mini Series** comprises durable thermal imaging modules designed for use with Android and iOS smartphones.
- **The Eco Series** offers cost-effective devices ideal for identifying mechanical and electrical faults, whilst highlighting air infiltration, water leaks and insulation issues.
- **The B Series** features compact, easy-to-use thermal imaging cameras for daily operation. These cameras support the capture of full-screen, radiometric images and automatically pinpoint

temperature anomalies.

- **The Pocket Series** provides pocket-sized thermal imaging cameras equipped with intuitive touchscreen interfaces.
- **The M Series** is designed specifically for temperature measurement applications. These cameras feature high-resolution thermal detectors paired with 8MP resolution optical light detectors, making them ideal for electrical, HVAC, and mechanical inspection work, as they allow users to focus on specific components.
- **The AI Series** targets ultrasound localisation applications, specifically for compressed air leak and partial discharge detection.

The addition of thermal imaging technology represents a significant expansion of HellermannTyton's traditional cable management and identification portfolio, bringing advanced diagnostic capabilities to its customer base across multiple sectors.

Enquiries: www.hellermannntyton.co.za



Electrical fire safety in lithium-ion battery rooms

As the adoption of lithium-ion (Li-ion) battery systems continues to rise in South Africa, so does too the risk of electrical fires. "Li-ion batteries pose unique fire risks due to their chemical composition and the environments in which they are used," explains Eldon Kruger, marketing director at Pratley.

"Overheating, electrical faults, and poor ventilation are all factors that can lead to fires. However, with appropriate battery room construction and fireproofing, these risks can be significantly mitigated."

Li-ion battery fires often stem from thermal runaway, a chain reaction triggered by overcharging, physical damage, or internal short circuits. The flammable electrolytes in these batteries and the heat generated in enclosed spaces exacerbate the danger. Electrical malfunctions such as faulty wiring or overloaded circuits further increase the risk, especially in facilities where room fireproofing has been neglected.

Designed for fire safety

The importance of fireproofing modern battery rooms is a key component in fire safety. Pratliperl is a non-combustible, ultra-lightweight aggregate that can be mixed with cement and applied as a plaster or screed to walls, floors, and ceilings. When applied at just 30 mm thickness, Pratliperl delivers a two-hour fire rating, as certified by the South African Bureau of Standards (SABS).

"What sets Pratliperl apart from traditional fireproofing materials is that it releases no toxic smoke or fumes during a fire," highlights Kruger. "This not only protects infrastructure but also provides a safer environment for anyone in or near the affected area."

Seamless integration and long-term benefits

Pratliperl is designed for both new and existing battery room setups, offering a cost-effective fireproofing solution that integrates easily with current systems. "We recommend plastering battery rooms with Pratliperl and sealing all cable and



conduit wall penetrations to prevent fire from spreading through gaps," adds Kruger. "When combined with proper ventilation and extraction fans, the result is a comprehensive fire safety strategy."

In the long term, Pratliperl helps to maintain the structural and electrical integrity of battery rooms. It slows the spread of fire, protects adjacent equipment and infrastructure, and reduces downtime and costs associated with fire-related damage.

Fire safety is not just about compliance; it is about protecting people, property, and uptime.

"With Pratliperl, facility owners and engineers can take proactive steps to prevent disaster before it strikes," concludes Kruger.

Enquiries: www.pratley.com

PPS delivers 4,000 A containerised distribution board



South African electrical enclosure specialist Power Process Systems (PPS) has successfully completed the design, fabrication, and commissioning of a 4,000 A containerised distribution board for a wind/PV solar hybrid renewable energy project for a site in the Western Cape. The project, finalised in August 2025, underscores PPS's leadership in delivering modular, safe, and scalable power solutions for industrial, renewable, and hybrid energy applications.

The prefabricated unit integrates advanced switchgear, auxiliary panels, and control systems within a fully insulated steel container. The system features ABB SACE moulded case circuit breakers (MCCBs) for dependable overcurrent and short-circuit protection, heavy-duty copper busbars for efficient power transfer, and a dual power supply with mechanical interlocking to ensure safe and flexible operation. All cabling has been carefully routed and segregated to minimise interference, simplify maintenance, and reduce mechanical stress.

Safety was central to the design. The unit includes a dedicated external air-conditioning system for thermal regulation,

fire protection equipment, danger signage, and emergency exit doors with push-bar mechanisms. The entire installation complies with international electrical safety standards, providing operators with confidence and ensuring reliability under demanding load conditions.

"The 4,000 A containerised distribution board demonstrates our ability to combine robust engineering with modular flexibility," says Bongani Mzimela, sales representative at PPS. "By prefabricating, testing, and commissioning the unit off-site, we delivered a plug-and-play solution that integrates seamlessly into hybrid grid and renewable installations. This ensures not only rapid deployment but also long-term reliability and scalability for our clients."

The completed solution reduces on-site construction time, ensures strict quality control, and offers the flexibility to scale or redeploy as operational requirements evolve. Its transportability and modular design make it ideal for hybrid power sites, renewable energy facilities, and industrial distribution projects.

Enquiries: www.ppspower.co.za

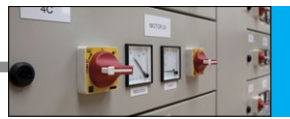


ABB shares Mission to Zero blueprint for a net-zero future

ABB's Mission to Zero is a strategic initiative aimed at achieving a sustainable future characterised by zero emissions, zero accidents, and zero waste. "This mission reflects ABB's commitment to environmental stewardship and social responsibility, aligning with global sustainability goals," comments Bradley James, product marketing director, EDLS, South Africa.

By combining energy management systems with electrification and renewable resource technologies, ABB established the Mission to Zero programme. Acting as a guiding light, ABB aims to reach net zero by 2030 in its own factory sites, while helping customers and suppliers reach their emission ambitions too.

In terms of zero emissions, ABB is dedicated to reducing its carbon footprint and facilitating the transition to sustainable energy solutions. This includes the development of technologies that enhance energy efficiency and promote the use of renewable energy sources, helping customers and industries lower their greenhouse gas emissions.

By choosing the right applications in concert with the designed energy architecture, customers can benefit from reduced CO₂ emissions, energy savings, reduced energy loss, as well as cost savings, while fulfilling the requirements of environmental product declarations (EPD) or certificates on their path toward carbon

neutrality.

ABB is committed to minimising waste throughout its operations by promoting circular economy principles. This involves reducing material consumption, enhancing recycling efforts, and finding innovative ways to reuse resources, thereby minimising environmental impact. Through Mission to Zero, ABB aims to lead by example in the electrification and automation sectors, driving innovation that contributes to a sustainable and responsible future for all.

"Currently, what we are witnessing is a lack of available power for our country as a whole, forcing our utility to implement loadshedding and load reduction. Our business pushes our manufacturing facilities to utilise less power while respecting our environment and executing it safely. This promotes development and innovation in ABB to be more creative in generating, storing, and utilising the power in a more efficient manner, therefore putting less reliance and stress on our electricity grid," says James.

He points to the Energy Efficiency Movement (EEM), a global initiative that aims to accelerate the adoption of energy efficiency solutions within industries to achieve net-zero emissions. It provides a platform for stakeholders to share knowledge, collaborate, and develop innovative energy-saving strategies. "Local companies can get involved by joining the EEM, participating in events, implementing

energy audits, upgrading to energy-efficient equipment, and engaging employees in energy-saving practices," explains James.

With ongoing energy challenges, ABB's solutions, such as microgrids, energy storage, and smart power management, enable local businesses and municipalities to optimise energy use, integrate renewables, and enhance energy security. For example, ABB integrates renewable energy into operations through a combination of advanced technologies, digital solutions, and system-level expertise that enable the seamless, efficient, and reliable use of clean energy sources.

For any operation to become a Mission to Zero site, it must achieve certain minimum requirements, apply ABB solutions and integrate third-party solutions to enable greater electrification, efficiency and use of renewable energy. There are four pillars of the transition, namely planning, innovation, monitoring, and sustainability.

James adds that ABB aligns strongly with South Africa's Just Energy Transition (JET) objectives through its technologies, services, and sustainability commitments that directly support decarbonisation, energy security, and inclusive socioeconomic development. ABB contributes to the JET vision by decarbonising the power sector, enabling clean technology industries, and supporting energy security and resilience.

"ABB can play a pivotal role in supporting South Africa's net zero and climate goals



through its advanced technologies, deep local presence, and global expertise in enabling clean, efficient, and resilient energy systems," says James. It can accelerate renewable energy integration, promote energy efficiency, and support grid modernisation and resilience.

Here, digital technology plays a key role in energy management. "At ABB, we believe digitalisation is key to unlocking a low-carbon future," notes James. Its digital technologies give customers the visibility, intelligence, and control they need to manage energy more sustainably, transforming ambition into action on the path to net zero.

Enquiries: www.abb.com

Soaring electricity costs drive demand for smarter energy solutions



With electricity tariffs set to rise by 5.36% in 2026 and 6.19% in 2027, South Africans are increasingly seeking ways to curb their energy bills. This trend was on full display at the recent 2025 KragDag Expo, where visitors explored practical solutions to take control of their consumption.

The CBI-electric: low voltage booth at KragDag attracted strong interest with its Astute range of smart energy management products. "For many, it was a lightbulb moment: energy monitoring isn't just about how much power you use; it's about knowing when and where you use it, then making changes that deliver real savings,"

says Ben Liebenberg, regional sales manager at CBI-electric: low voltage.

He notes that understanding usage patterns is the first step. "Once you know your habits, you can shift consumption out of peak hours, automate schedules, and target the biggest energy guzzlers in your home."

"Energy costs aren't going down anytime soon. Those who act now to monitor and manage their usage will be best positioned to reduce their bills and ease the pressure on their household budgets," concludes Liebenberg.

Enquiries: <https://cbi-lowvoltage.co.za/>

Smart MCCs transform South African manufacturing operations

By: Jason Kumm, regional division head, Industrial Automation, at Rubicon

South Africa's industrial sector faces a daily balancing act. Ageing infrastructure, unpredictable energy supply, and rising input costs put pressure on operators to keep production running while safeguarding people and equipment. In this environment, Motor Control Centres (MCCs) have become more than electrical cabinets; they are the nerve centres of modern plants, quietly coordinating and protecting the motors that keep industry moving.

Regardless of the operation, uptime is often the difference between profit and loss. An MCC provides the stability needed to maintain this flow. By centralising motor control, offering protection, and enabling safe start-stop sequences, MCCs bring order to complex operations. They allow teams to reduce downtime, improve reliability, and ensure compliance with strict safety standards.

But MCCs do not operate in isolation. Around them sits a growing ecosystem of technologies that extend their value. Smarter sensing and switching devices provide the feedback loops that keep equipment responsive and efficient. Cable management, often overlooked, makes expansions safer and maintenance easier. Safety automation technologies, such as light curtains and interlocks, protect both people and machines in demanding environments. Machine vision systems enhance quality control, enabling real-time inspection and traceability. And IO-Link connectivity ties these elements together, turning MCCs into hubs for actionable data that support predictive maintenance and smarter decision-making.

The shift toward digitalisation is reshaping what an MCC can be. Remote monitoring allows engineers to diagnose issues without stepping onto the factory floor. Embedded metering and diagnostics flag potential problems before they interrupt production. When combined with Industry 4.0 and Industrial Internet of Things (IIoT) initiatives, MCCs become part of a larger network where energy managers, maintenance teams, and operations staff



share a common view of system performance. Instead of reacting to failures, plants can plan interventions and allocate resources more effectively.

South African industries are already moving in this direction. Mining operations are investing in rugged, data-ready MCCs to handle both harsh conditions and regulatory demands. Food and beverage producers are turning to automation to maintain quality while meeting higher volumes. Logistics and distribution centres rely on smarter motor control to keep conveyors running at pace with e-commerce growth.

What unites these sectors is the need for control systems that are safe, reliable, and scalable. MCCs, supported by a wide range of automation technologies, are central to achieving this. As the industrial landscape becomes more connected and data-driven, MCCs will remain a quiet but vital part of keeping South Africa's economy moving, not just powering motors, but enabling smarter, safer, and more resilient production.

Rubicon's strength lies in its comprehensive product portfolio, designed to address every critical aspect of MCC development and industrial automation. The company started as a small electrical store in 1986 in Gqeberha (formerly Port Elizabeth) and has grown to be the industry-leading supplier of industrial automation solutions in South Africa.

Enquiries: industrial.rubicon.tech

3 BRANCHES



MCE operates with three strategically located branches in Johannesburg, Pretoria, and Durban, ensuring easy access to our products and services across key regions. In addition, we have partnered with four dedicated National Agents, allowing us to offer seamless delivery and exceptional service across the country, ensuring that our customers receive timely support wherever they are.

CROSS BORDER SUPPLY



MCE proudly distributes across multiple regions in Africa, including Angola, Botswana, Congo, Kenya, Lesotho, Mauritius, Mozambique, Malawi, Madagascar, Namibia, Eswatini, Tanzania, Zambia, and Zimbabwe.

OUR CUSTOMER SERVICE



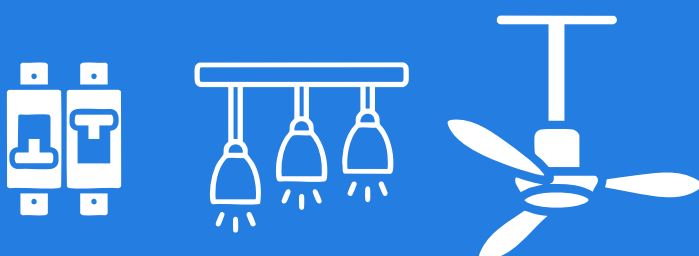
MCE has built a robust network of both national and international distribution channels, enabling us to deliver exceptional service and top-quality products to our customers, wherever they are.

200 EMPLOYEES



MCE plays a vital role in strengthening the local job market. With a dedicated team of 200 employees, we are not only expanding our operations but also creating valuable employment opportunities for the people of South Africa. Our commitment to growth ensures that we continue to open new doors for talent, fostering both professional development and long-term career success.

PRODUCT OVERVIEW



MCE offers an extensive range of compliant electrical products, from switchgear to mood lighting and solar streetlamps, circuit breakers and distribution boards. Whatever your needs may be, our team is ready to help you find the perfect solution, ensuring quality and reliability every step of the way.

MCE ELECTRIC was established in 2001,
and is the leading distributor of
commercial and domestic electrical
and lighting products.



OUR BRANDS



MCE Electric's House Brand consists of quality manufactured products covering a variety of needs within the electrical field.



MCE is the sole appointed distributor for ONESTO in the Sub-Saharan region, as well as having a stake holding in the ONESTO overseas manufacturing plants.



O-lite was established by MCE in 2012 as an energy efficient lighting brand.



MCE is the sole distributor of Schenker Mini Rail Circuit Breakers within the Sub-Saharan region.

CONTACT

MCE JHB (HEAD OFFICE)
10 Pieter Wessels Street
Stafford EXT 2
(011) 683 0641
salesjhb@mce.co.za

MCE PTA
129 Fusie Street
Silvertondale Ext 2
(012) 804 6005
salespta@mce.co.za

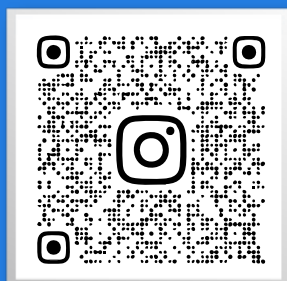
MCE DBN
Unit 6, 2 Corobrik Road
Riverhorse Valley
(031) 569 4846
salesdbn@mce.co.za



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Poor heat management in data centre design – the silent risk

In South Africa, many conversations about data centre resilience have tended to centre on power, but today, backup power is a given – no credible data centre provider operates without it. The real differentiator lies elsewhere, in the efficiency and precision of the data centre's design and operations.

Managing airflow, controlling humidity, building the most effective and efficient cooling systems, and planning the physical layout are all essential. When these factors are overlooked, the consequences are serious: degraded hardware performance, increased energy consumption, higher operating costs, and potential downtime that disrupts business, resulting in revenue loss and reputational damage.

Designing a world-class data centre goes beyond simply keeping servers on during loadshedding; it is about ensuring they run efficiently, reliably, and within the precise environmental conditions they were built and designed for.

A sensitive ecosystem, high cost of failure

According to Warren Schooling, sales manager at Digital Parks Africa, many businesses underestimate the impact that temperature and airflow have on performance, efficiency, and cost. "Everyone always asks about the power supply to the facility, but hardly anyone asks about cooling, a vitally important metric. Without proper thermal management and thoughtful data centre design, your equipment's performance will suffer, and ultimately, the customer ends up paying more for lower reliability and reduced efficiency."

Heat is a significant corrosive force in a data centre. It places undue stress on sensitive components like hard drives, Solid-State Drives (SSDs) and Random-Access Memory (RAM). Furthermore, CPUs

are especially vulnerable to excessive temperatures, which accelerate wear and tear and reduce their operational lifespan. This not only increases the risk of system crashes, data corruption, and even irreversible loss, it also often voids any hardware warranties that are in place. For businesses relying on always-on access to services such as web hosting providers, the knock-on effect can be severe.

"Uptime isn't just about power, it's about the quality of the facility, the air, the dust, and the heat. Heat is a bigger risk than people realise," says Jade Benson, managing director at Absolute Hosting. "You can have all the backup power and solar systems you need, but if three out of four HVAC systems fail, you and your business are in serious trouble. We have experienced switches and systems failing from overheating, a challenge we experienced first-hand with a previous provider, which forced us to shut things down to prevent catastrophic loss and damages. This issue underscored just how important it is to have a data centre provider that prioritises maintaining optimal thermal conditions."

Cooling done wrong can cost you everything

Too often, data centres are built to minimise upfront costs rather than optimise long-term performance. Proper airflow management, humidity control and environmental monitoring are essential, and if a data centre operator is being reactive instead of proactive, it should be a red flag.

Inadequate cooling infrastructure is not just a technical oversight; it becomes a business problem. "Servers are engineered to operate in a specific temperature range. If you run them hot, performance suffers, warranties can be voided, and the risk of failure increases. Meanwhile, your operational costs go up because hot

machines draw more power. It's a vicious cycle," says Schooling.

Data centre design, especially your cooling strategy, must be climate-appropriate. It can't be a one-size-fits-all. "In Johannesburg's dry air, evaporative cooling works well, but in humid coastal conditions, a different approach is needed. That's why a dual topology design is optimal, for example, using evaporative cooling supported by DX [direct expansion] units that can supplement or take over when required. Smart HVAC systems, 2N redundancy, and airflow containment help maintain optimal conditions in any environment," says Schooling.

"Automation plays a role, but it is not a silver bullet. Sensors can fail. You need human oversight, live monitoring, and clear mitigation plans. The data centre environment is a fragile environment and demands surgical precision," he adds.

Reputation and customer trust at stake

The effects of underperforming thermal design are tangible for businesses like Absolute Hosting that rely on constant uptime and high performance. "When servers overheat, performance drops. We pay a premium for high-quality hardware, and if it is not running at optimal levels, the service we deliver to our customers suffers. The risk is not just

data loss. Once you lose a customer due to downtime or poor performance, it is incredibly difficult and costly to win them back," says Benson.

With artificial intelligence and high-performance computing becoming increasingly standard, thermal loads in data centres are only set to rise. GPUs, in particular, generate significant heat, and without properly engineered cooling and heat extraction systems, the consequences can include critical hardware failure, prolonged downtime, and severe disruption to core business operations.

The bottom line

"As the stakes rise for uptime and performance, data centre cooling must be viewed as a core business issue. What happens inside a data centre directly affects the reliability, speed, and cost of the services which businesses rely on every day. As equipment gets more powerful and heat loads increase, it's no longer enough to ask if there is backup power. Companies need to understand how their infrastructure is built, how it is maintained, and whether it is truly designed to handle demand, because by the time something fails, it is already too late," concludes Benson.

Enquiries: <https://dpa.host/>



The risk is not just data loss. Once you lose a customer due to downtime or poor performance, it is incredibly difficult and costly to win them back.

– Jade Benson, Absolute Hosting

Cutting through the noise: Why prepaid meters are every property manager's best friend

In today's property market, the role of a landlord or property manager extends far beyond collecting rent. Utilities, especially electricity, have become one of the most challenging aspects to manage. Between unpredictable tariffs, tenant disputes, and

delayed municipal recoveries, what should be a straightforward process often turns into an administrative nightmare.

This is where prepaid metering steps in. By shifting consumption responsibility directly to tenants, prepaid meters reduce the risk of arrears, disputes, and surprise bills. But beyond just plugging in a meter, the real challenge lies in ensuring that tariffs are applied correctly, transactions are monitored, and that both landlords and tenants stay ahead of changes in the municipal landscape.

Why property managers struggle without prepaid

- **Tariff confusion:** Municipal tariffs change frequently, and misapplication often leaves property owners footing the bill.

- **Delayed recovery:** Traditional billing means waiting weeks, or even months, before recovering electricity costs, often leaving owners in debt.
- **Tenant disputes:** Without transparency, disputes arise over usage, leading to strained relationships and unpaid accounts.
- **Administrative burden:** Manually calculating, monitoring, and reporting utilities eats into valuable management time.

How The Prepaid Team bridges the gap

For over 25 years combined, The Prepaid Team (TPT) has worked alongside landlords, property managers, and developers to simplify the complex world of utility recovery. Its approach goes beyond supplying prepaid meters; they deliver a full-service solution, which includes:

- Correct tariff calculations and implementation;
- Monthly transaction reports;

- Real-time monitoring of meters and payments;
- Updates on municipal changes; and
- A priority system that ensures issues are resolved quickly.

"Our mission is simple: to let landlords and property managers focus on their properties, while we handle the utilities," TPT said.

Client spotlight

One of TPT's property management clients faced a growing deficit caused by incorrect tariff applications and delays in tenant recoveries. By implementing prepaid meters and aligning tariffs through its systems, it not only reduced disputes but also ensured timeous recovery to settle municipal accounts. In fact, TPT's monitoring was so precise that it even detected errors in municipal billing, saving its client thousands.

A trusted partner in Prepaid

Prepaid meters aren't just about giving tenants control; they're about giving property owners peace of mind. "With The Prepaid Team as a trusted partner, our clients know that their utility management is efficient, transparent, and future proof," TPT said.

Because at the end of the day, electricity isn't just about keeping the lights on; it's about keeping property management running smoothly.

Enquiries: www.theprepaidteam.co.za



By shifting consumption responsibility directly to tenants, prepaid meters reduce the risk of arrears, disputes, and surprise bills.

– The Prepaid Team



Introducing Vepac's portable appliance tester



The appliance tester can also check the wiring of sockets and carry out a mains voltage measurement via the Schuko plug. It is particularly suitable for mobile use due to its battery operation.

- Vepac

Vepac's new PeakTech P 2720 appliance tester is the ideal tool for testing the safety of electrical appliances in accordance with DGUV regulation 3 and BetrSichV. It enables the precise measurement of protective conductor or touch current using the equivalent leakage current method.

The device complies with the VDE 0701 procedure for checking the effectiveness of protective measures after repairs and the VDE 0702 procedure for repeat testing. Thanks to the large, inverted LCD display with backlighting, the measurement results can be read clearly under all lighting conditions.

The appliance tester is characterised by its simple operation: With just three buttons, you can perform tests for protection class I and II devices as well as extension cables. The simple pass/fail function for the Riso (insulation resistance), Rpe (protective conductor resistance) and lea (equivalent leakage current method) measurement methods immediately indicates

whether the test object has passed the test.

The appliance tester can also check the wiring of sockets and carry out a mains voltage measurement via the Schuko plug. It is particularly suitable for mobile use due to its battery operation. Powered by six AA batteries, it offers flexibility and independence from external power sources.

According to Vepac, this practical and user-friendly device is an indispensable tool for anyone who needs to regularly check electrical appliances for safety.

Enquiries: www.vepac.co.za



How energy storage will make or break SA's renewable transition

Energy storage is no longer an add-on, but the foundation of a reliable, resilient, and renewable energy system. As South Africa accelerates towards a greener future, storage innovation could determine the difference between progress and paralysis, writes Ezzat Sankari, channels business director for Sungrow across the Middle East, Africa, and Central Asia.

South Africa's energy system is at a crossroads, facing a worsening electricity crisis, rising demand, and ambitious decarbonisation goals. While renewable energy is rightly heralded as a key solution, it is often misunderstood as the silver bullet to enable sustainable power generation. In truth, generation alone won't solve the country's energy woes. The real missing link in South Africa's energy puzzle is storage.

Despite steady progress in solar and wind adoption, these clean energy sources are, by nature, intermittent. Solar panels don't generate power at night, and wind turbines are silent on still days. Yet our demand for electricity doesn't follow the weather, but rather daily routines, industrial activity, and seasonal fluctuations. This mismatch between supply and demand is at the heart of South Africa's ongoing energy instability.

Loadshedding is no longer just a technical inconvenience; it's a national threat to productivity, investment, and livelihoods. While adding generation capacity is part of the solution, it is only effective if that energy can be stored and dispatched when needed. Without storage, surplus power generated during peak sunlight hours is wasted, and the grid remains vulnerable to sudden demand spikes or generation failures.

Storage enables 'load-shifting', the ability to absorb excess energy and release it later, during evening peaks or grid outages. This function is not merely a convenience, but a critical buffer for grid reliability, especially as more variable renewables are added to the mix. For communities, businesses, and municipalities alike, storage means fewer disruptions, lower reliance on diesel, and greater autonomy in energy management.

Moreover, South Africa's geography and grid layout present unique challenges. Rural and

coastal regions often face infrastructure deficits, harsh environmental conditions, or transmission bottlenecks that make traditional energy solutions difficult to deploy at scale. Storage offers a way to decentralise power, enabling localised microgrids that are more resilient to national grid instability.

To unlock the full potential of renewables, South Africa must prioritise investment in energy storage across all levels – utility, commercial, and residential. But that also requires robust, future-ready technology that is built for local conditions.

This is where Sungrow, a global leader in renewable energy solutions, can contribute to the conversation. "We've seen firsthand how purpose-built energy storage systems can transform unstable grids into resilient, clean energy ecosystems," says Sankari. "Our technologies are specifically engineered to operate in the demanding South African climate, with protective features that ensure consistent performance even in high heat, humidity, or dust."

Sungrow's latest innovations include DC-coupled hybrid inverters, which seamlessly integrate solar generation with storage, reducing energy loss and increasing self-consumption. Advanced AI-powered energy management systems forecast usage patterns, optimise charging based on grid conditions and tariffs, and reduce operational costs – all critical for both businesses and homes looking to maximise their solar investments.

"South Africa's energy crisis cannot be solved with generation alone," says Sankari. "Without the ability to store and strategically deploy clean energy, even the most ambitious renewable plans will fall short. Storage is the critical enabler that turns potential into performance and instability into resilience."

According to Sankari, the message is clear: energy that isn't stored is energy that's lost. "For South Africa to realise its clean energy ambitions, it must invest not only in generation but in retention, because only then can we move from crisis response to true energy transformation."

Enquiries: <https://sa.sungrowpower.com/>

Trinasolar named in S&P's premier list of Tier 1 Companies

S&P Global Commodity Insights unveiled its inaugural Tier 1 Cleantech Companies list, covering solar PV modules, solar PV inverters, energy storage systems, and wind turbines. Trinasolar was included in the Tier 1 list for both solar PV modules and energy storage systems, a recognition of its strong market presence, global footprint and commitment to sustainable practices.

S&P Global Commodity Insights' Tier 1 assessment evaluates global manufacturers across six key dimensions, including market presence, market share, scale, global diversification, corporate sustainability assessments, and financial

performance. To be classified as Tier 1, a company must exceed the minimum threshold in at least four out of the six dimensions.

"Our Tier 1 list is designed to help suppliers stand out in a crowded field and aid developers, offtakers and those procuring or financing equipment and renewable project development in identifying reliable and resilient partners," said Edurne Zoco, executive director of Research and Analysis, Clean Energy Technology, S&P Global Commodity Insights.

"Being named as Tier 1 by S&P Global for both solar PV modules and energy storage

systems further underscores our global influence, sustainability leadership, and capability to deliver world-class integrated smart energy solutions," said Helena Li, president at Trinasolar.

For 28 years, Trinasolar has been at the forefront of PV innovation, pioneering 210 mm technology and, together with its partners, driving the industry into the 600W+ and 700W+ eras. As a global leader in n-type TOPCon technology industrialisation, the company continues to push technological boundaries and collaborates worldwide to empower local manufacturing. By June this year, Trinasolar's cumulative 210 mm module shipments exceeded 200 GW, securing its position as the global No. 1. With customer-focused solutions for desert scenarios and extreme climates, Trinasolar is opening a new chapter in scenario-based applications and reinforcing its commitment to advancing the clean energy transition.

Since 2015, Trinasolar has strategically expanded into energy storage, building full-stack capabilities from cells and battery packs to AC-side systems, making storage a strong second growth engine. With

sharp market insights and a robust global service network spanning 180+ countries and regions, Trina Storage delivers highly reliable, high-value solutions supported by over 100 spare parts warehouses. By June, it had shipped over 12 GWh of energy storage systems across major markets, further reinforcing Trinasolar's leadership in advancing the global clean energy transition.

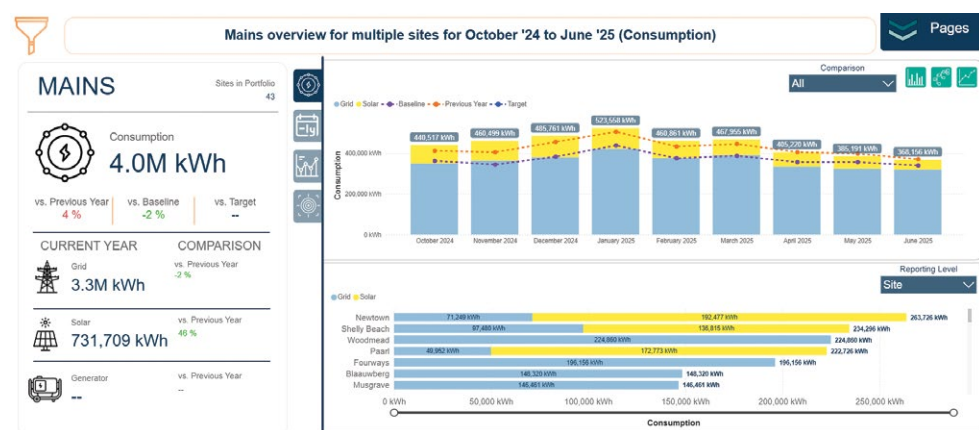
Alongside its growing global presence, Trinasolar has made sustainability a core strategy, advancing the SOLAR sustainability management concept, strengthening environmental, social and governance practices, and driving supply chain collaboration to enhance product lifecycle performance. These efforts have been recognised by leading rating agencies, including S&P, MSCI, Sustainable Fitch, and BloombergNEF.

Guided by the mission of "Solar Energy for All", the company said it will continue to drive innovation and provide high-efficiency, reliable solutions that empower diverse applications and contribute to a net-zero future.

Enquiries: www.trinasolar.com



Energy Partners slashes Netcare's energy use by 34%



In a major leap forward for African sustainability tech, Energy Partners, which owns and operates over \$90 million in embedded energy assets in South Africa,

has launched Syntiro – a powerful ESG data platform that brings clarity, control and commercial value to sustainable operational performance.

"We developed Syntiro because we needed it," says Manie de Waal, chief executive officer of Energy Partners. While there are many ESG data platforms, the company found none with the required granular on-site integration capabilities that they required.

"When you operate critical infrastructure at scale, as we do, efficient and sustainable performance really is non-negotiable," explains de Waal. "With our own capital at risk, we need to know how every asset is running, catch performance issues before they escalate, and stay accountable to our clients and capital providers. A platform that could do all of that, across all the different types of technology we operate, didn't exist, so we developed one."

Designed for real-time tracking

"Most ESG data platforms work with static historical data, like utility bills, subjective executive input and so forth," he continues. "Syntiro is different. It's built to seamlessly capture real-time meter data, like power, cooling, water and heat, from five-second measurement intervals into full, integrated annual sustainability reports.

"That granular integration capability, and automated roll-up reporting architecture are what set it apart from anything we could find, locally and globally."

At Netcare, Syntiro's impact is already being felt at scale.

According to Andre Nortje, Netcare's national environmental sustainability manager, "Energy Partners offered innovative insight and support into visualising, tracking and benchmarking utility consumption for the Netcare Energy portfolio as a group. We've already achieved a 34% total reduction in energy consumption per bed and are well on track to meet our 2030 targets."

Syntiro at a glance

Syntiro has indeed been built to handle the complexity and scale of real-world operations, no matter where a business is in its ESG journey, confirms Mila Vicquery, general manager of Sustainability at Energy Partners.

"What truly sets Syntiro apart is that it's already proven in the field – delivering one integrated source of truth, from plant-level data and utility monitoring, all the way to strategic emissions reporting," Vicquery explains. "Our clients are using it to streamline ESG reporting, track performance in near real-time, and make smarter, faster decisions that support both compliance and competitiveness."

The platform's core features include:

- **ESG data consolidation** – over 20,000 tracked points across emissions (Scope 1–3), water, waste, energy, diversity and supply chain.
- **Utility oversight** – anomaly detection and accurate billing across electricity, gas, diesel and water (R560 m recovered for clients to date).
- **Asset intelligence** – predictive maintenance, real-time IoT monitoring and lifecycle optimisation to reduce downtime and extend lifespan.

"Too often, ESG is treated as an obligation rather than an opportunity. But Syntiro was built to connect the dots between compliance and commercial value, giving us and our clients the visibility and control needed to run better, leaner and more resilient operations. It speaks to our ethos: 'We do for our clients what we do for ourselves'," de Waal concludes.

Enquiries: <https://energypartners.co.za/>

Solar solutions for retail businesses

Retail businesses across Southern Africa face an uphill battle when it comes to overhead costs and remaining competitive in a challenging economy. Rising electricity prices and unreliable grid power only add to the strain. Fortunately, solar power offers a practical, efficient, and sustainable solution for the retail sector.

Solar energy is transforming the retail landscape with clear, measurable benefits, according to Lance Green of SolarSaver, a leading solar solutions provider operating throughout Southern Africa. "By harnessing solar power, retail businesses can immediately slash operating costs while securing predictable, low-cost energy expenses for the foreseeable future. Hybrid solutions integrating grid-tied power, solar, and advanced battery storage ensure a clean, stable, and reliable energy supply, delivering uninterrupted operations even during power outages, all while driving substantial long-term savings.

Navigating challenges in retail solar projects

For business leaders, investing in solar energy is a strategic move to cut costs, enhance sustainability, and drive long-term value. For landlords, solar energy is another avenue to generate revenue. Whether funded through bank financing or your company's balance sheet, the success of this investment hinges on one key factor: delivering the kWh output. "Without consistent system performance, the return

on investment you planned for can fall short," says Green. "Our data at SolarSaver shows that many financed or self-funded solar systems achieve only 40–50% of their forecasted kWh production, even with a service level agreement in place."

That's where SolarSaver steps in. "We're not just about installing panels on a roof. We're a long-term energy provider – ensuring our solar assets perform at their peak, day in and day out. Regular monitoring and maintenance maximise energy output, reduce downtime, and extend the lifespan of the system. This translates to real financial benefits: lower operating costs, reliable energy production, and an ROI that aligns with your business expectations."

For landlords, business executives and board members, the message is clear: your solar investment is only as strong as its upkeep.

A success story

SolarSaver's flexible, client-first approach to address business concerns has made the company a trusted partner for over 750 businesses, with over 130 MW of solar installations across Southern Africa. Its expertise spans various industries, with notable successes in the retail sector. Clients include major retailers like Spar, OK and Pick n Pay, as well as large-scale mixed-use developments and major malls such as Westgate, Pavilion, Melrose Arch, and Menlyn Park Shopping Centre.

SolarSaver has enabled Pareto Group to harness a significant amount of solar power from over 18 MW installed across Pareto's



various malls. Installations at The Pavilion Mall, Menlyn Park Shopping Centre, and Southgate Mall now include solar carport systems, providing more shaded parking for visitors while generating additional energy for mall operations.

SolarSaver's broader portfolio within Melrose Arch includes 15 systems totalling over 3,000 kWp, producing over 6,000,000 kWh per annum, offsetting over 30% of the precinct's power.

Evaluating solar options and costs

Retail businesses can choose from several solar options depending on their needs and budgetary considerations.

Grid-tied systems are connected to the electricity grid and provide cost-effective solutions for reducing dependency on costly grid power during the daytime. These systems work well for shopping centres with consistent daytime energy

demand. Businesses are charged only for the power the system produces.

Battery Energy Storage Systems (BESS): include battery storage alongside solar panels for uninterrupted power during power outages and loadshedding. Stored energy can also be used to reduce peak loads through peak shaving and used for arbitrage. These systems provide operational continuity for retailers needing to operate at night, or during outages and loadshedding. SolarSaver charges a set monthly rate for these systems.

"The retail sector is well-positioned to benefit from solar solutions," says Green. "With SolarSaver's CAPEX-free, hassle-free model, businesses can adopt cleaner, more reliable energy without the financial risks or operational headaches. It's time to rent the sun."

Enquiries: <https://www.solar-saver.net/>



Aurora Lighting Africa unveils Commander: The future of LED strip lighting control

Aurora Lighting Africa is proud to introduce the Commander range, a groundbreaking collection of intelligent LED lighting control solutions designed to meet the evolving demands of both residential and commercial spaces. Combining cutting-edge technology with user-focused design, Commander sets a new standard for precision, flexibility, and reliability in lighting control.

Designed specifically to seamlessly control Aurora Lighting's extended LED Strip range, the Commander range brings a new level of integration to decorative, architectural, and functional lighting applications. From vibrant accent lighting to large-scale commercial installations, Commander ensures that Aurora's innovative strip portfolio is not only illuminated but intelligently managed.

At the heart of the Commander range lies the Commander Gateway, a powerful hub that delivers unmatched control over your lighting environment. Engineered for both performance and simplicity, the gateway offers 4,096 levels of smooth dimming with zero flicker, ensuring that every transition is seamless to the human eye. From subtle mood lighting to full brightness, users can enjoy a dimming range as precise as 0.1% to 100%, catering to every application from hospitality to healthcare.

The gateway supports PWM switching, enabling highly efficient and stable

performance for LED strip lighting. With scene control and time control, users can pre-set customised ambiances or automate schedules to fit their daily routines or operational requirements. The inclusion of a logarithmic dimming curve ensures that light adjustments feel natural, intuitive, and visually comfortable.

For added convenience and flexibility, the Commander Gateway offers on-premises and cloud-based control via the Tuya platform. This dual capability means that whether you're on site or managing multiple locations remotely, lighting remains under your command. Through the Aurora Africa gateway, users enjoy full system integration and peace of mind, backed by a five-year warranty that reflects Aurora's commitment to reliability and long-term performance.

But the Commander range goes far beyond the gateway. Recognising the diverse needs of modern projects, Aurora Lighting Africa has developed a comprehensive portfolio of 2.4G RF strip controllers. These controllers bring unparalleled versatility, supporting a wide spectrum of configurations:

- Single colour LED strip controller;
- 2-in-1 LED strip controller (single colour/dual white);
- 3-in-1 LED strip controller (RGB/RGBW/RGB + CCT);
- 5-in-1 LED controller (single colour/dual white/RGBW/RGB/RGB+CCT); and
- IP67 5-in-1 mini controller (weatherproof

for outdoor applications).

This breadth ensures that whether the project demands a subtle single-colour ambience, dynamic RGB effects, or the flexibility of tuneable white light, Commander has the perfect solution.

Completing the range are a series of ergonomic RF remotes, designed for intuitive, user-friendly operation. Options include 3-zone standing controllers and 4-zone or 8-zone RGB+CCT remotes, offering end users complete control across multiple spaces with ease. Stylish, durable, and reliable, these remotes embody Aurora's dedication to combining design elegance with everyday practicality.

Every product in the Commander range comes with Aurora's five-year warranty, reinforcing confidence that these solutions are built to last and perform.

Commenting on the launch, Scylagh Clunnie, managing director of Aurora Lighting Africa, said: "Commander represents a major step forward in how our customers can interact with light. We've combined technical excellence with simplicity and style, all while ensuring seamless compatibility with our extended LED Strip Range. At Aurora, we believe lighting control should be as inspiring and reliable as the light itself – and Commander delivers exactly that."

Enquiries: info@aurora-africa.com



IESA explains photometry

One of the Illumination Engineering Society of South Africa (IESA)'s core goals is to support and educate professionals in the lighting industry.

Whether a designer, engineer, consultant, or policymaker, understanding the fundamentals of photometry is essential to your role in shaping better-lit environments.

In this article, IESSA takes a closer look at photometry, what it is, how it works, and the questions professionals often ask about it.

What is photometry?

Photometry is the measurement of the brightness of light as perceived by the human eye. Unlike radiometry, which measures all optical radiation (including ultraviolet and infrared), photometry focuses solely on visible light – how bright a light source appears to people.

This makes photometry a human-centric science, essential for applications such as architectural lighting design, street lighting, interior lighting planning, and compliance with lighting standards.

Frequently asked questions about photometry

Q1: What is photometry?

Photometry is the measurement of the brightness of light that the human eye can perceive. It considers how the eye responds to different wavelengths, emphasising visual perception rather than just energy output.

Q2: What is the basic unit of measurement used in photometry?

The lumen (lm) is the basic unit of photometric measurement. It quantifies the total amount of visible light emitted by a source per unit of time.

Q3: True or false: Photometry does not depend on the sensitivity of the eye to wavelength.

False. Photometry does depend on how sensitive the human eye is to different wavelengths. Our eyes are more sensitive to green light (~555 nm) and less sensitive to the red or violet ends of the spectrum, and photometric measurements are adjusted accordingly.

Q4: Does the human eye react differently to various wavelengths of visible light?

Yes. The human eye reacts with varying sensitivity across the visible spectrum. This is why two light sources with the same radiant energy can appear differently in brightness, because of how the eye perceives their wavelengths.

Q5: What is meant by radiometry?

Radiometry is the science of measuring optical radiation across a broader range than photometry, including ultraviolet, visible, and infrared light. Unlike

photometry, it does not consider human visual response and is used for applications such as solar energy, laser safety, and thermal imaging.

Why photometry matters in lighting design

In a world increasingly driven by energy efficiency, environmental consciousness, and human-centric design, photometry is not just a technical concept; it's a foundational tool for creating meaningful lighting solutions. Whether you're designing public infrastructure, commercial spaces, or residential environments, photometry plays a crucial role in guiding decisions.

Here's how a strong understanding of photometry benefits lighting professionals.

Design lighting systems that meet both regulatory standards and human comfort needs:

Lighting design is more than just installing luminaires; it's about ensuring compliance with national and international standards while also enhancing the experience of the people who use the space. Photometry helps designers assess illuminance levels, glare, and uniformity to meet regulatory guidelines, such as SANS or EN standards. At the same time, it ensures that lighting fosters visual comfort, safety, and productivity, adapting to human needs in workplaces, on roads, in schools, and in public spaces.

Evaluate the performance of different lighting products accurately:

Two products may consume the same wattage but deliver vastly different levels of visible brightness. Photometric data, such as luminous flux (lumens), luminous intensity (candela), and illuminance (lux) – helps professionals compare lighting products objectively.

This ensures that specifications are based on visual performance, not just electrical consumption, allowing for smarter procurement and system design.

Balance energy efficiency with human perception:

Optimising for energy efficiency is vital, but it shouldn't come at the cost of visual clarity or ambience. Photometry helps strike this balance by allowing professionals to design lighting that feels bright and clear to the eye, even at lower power levels. This is particularly important in LED design, where optical control and human response must be finely tuned for both comfort and efficiency.

Inform intelligent lighting design and smart controls:

As lighting systems evolve to become more responsive and adaptive, photometry supports innovations like dynamic lighting, daylight harvesting, and human-centric lighting. By understanding how light is perceived at different times of day and in different settings, designers can craft environments that are biologically attuned to human rhythms, improving well-being, sleep, and concentration.

Support sustainability goals:

Accurate photometric planning prevents over-lighting and reduces unnecessary energy consumption. It ensures that every lumen counts, helping cities, buildings, and homes reduce their carbon footprint while still delivering high-quality lighting experiences.

Whether you're specifying luminaires, writing tenders, evaluating products, or influencing urban lighting policy, photometry gives you the insight to make data-driven, human-centred decisions.

Enquiries: <https://www.iessa.org.za/>



Outdoor lighting: security, functionality, and performance

Outdoor lighting plays a critical role in both the functionality and security of a property. Beyond creating atmosphere, it ensures safe movement, improves visibility, and reduces potential security risks. Because different areas have different requirements, selecting the right fixture type with appropriate lumen output, IP rating, and mounting height is essential for reliable performance. Radiant Lighting's

range offers solutions suited to South African conditions and long-term use.

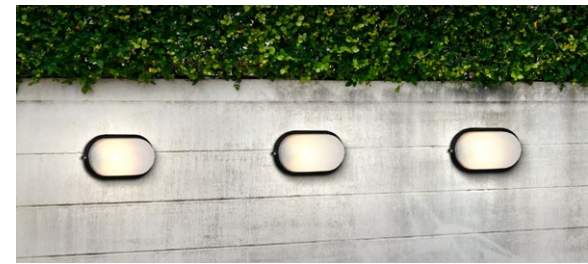
Bulkhead lights: durable coverage

Bulkhead fittings provide wide, diffuse illumination for entrances, service areas, and passages. With robust housings and IP65–IP66 ratings, they withstand harsh outdoor conditions. Lumen outputs typically range from ~600 to 1,500 lm, with higher-

wattage models reaching 2,000–2,500 lm. Mounting at 1.8–2.2 m ensures even coverage without glare, reducing shadowed zones where intruders could hide.

Wall lights: directional and architectural

Wall lights deliver focused illumination for façades, doors, and patios. Typical outputs of 500–1,000 lm are sufficient for visibility



RO428

DUAL STRUT WALL LIGHT

Offering function and form in die-cast aluminium and glass, this Strut wall light features 2 x 24W Integrated LEDs with an output of 3840 lumens in inviting warm light.



IP65



2 YEAR WARRANTY

BUE ROUND UP OR DOWN WALL LIGHT

The Bue can be mounted either up or down facing, and in sturdy die-cast aluminium and glass, this stylish outdoor fitting is a versatile and durable choice.



IP65



2 YEAR WARRANTY

RO432



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without excessive spill, while units with PIR or day/night sensors allow for efficient, automatic operation. An IP44 or higher rating is recommended for exposed installs to ensure reliability.

Garden spikes: adjustable and low-voltage

Garden spikes offer flexibility for pathways, planting beds, and features. With 12 V low-voltage systems and adjustable heads, they are both safe and easy to reposition. Lumen levels of ~150–400 lm are ideal for accent lighting, guiding movement, and creating layered visual effects. Angling spikes away from direct sight lines helps achieve subtle, glare-free results.

Solar floods: high-output coverage without cabling

For perimeters and remote areas, solar floodlights deliver powerful illumination without wiring. Radiant's range includes models producing up to 4,000 lumens, offering reliable coverage through lithium-ion storage and smart sensors. When paired with cameras, these fixtures provide both lighting and extended security monitoring for hard-to-reach zones.

A Radiant approach

The most effective strategy is layering fixture types: bulkheads for entry points, wall lights for façades, spikes for landscaping, and solar floods for outer boundaries. This approach balances security, safety, and design while maximising energy efficiency.

"At Radiant Lighting, we're proud to offer a full range of outdoor solutions engineered for performance and durability," the company said.

Enquiries: www.radiant.co.za



Award-winning lighting design, now at Eurolux

Eurolux is proud to bring globally recognised lighting innovations to South Africa, with two of its newest additions receiving top international design awards. These accolades underline the calibre of products it chooses to stock, lighting that balances aesthetics, performance, and sustainability.

Lutec Moov Exterior Light (O652)
Winner: Red Dot Design Award & iF Design Award

The Moov is more than a decorative wall lamp; it's a design-driven lighting solution with clever engineering behind it. Its inclined discs can be adjusted to reshape the light pattern, producing both striking accents and subtle ambient effects. The wall-wash illumination it delivers is efficient and refined, offering architectural depth with minimal energy use. Installed in sequence, the Moov creates an elegant rhythm of light and shadow, a perfect balance between artistry and reliable LED performance.

Aleta Solar Wall Light (O656)
Winner: iF Design Award
The Aleta blends architectural minimalism with sustainable technology. Powered by an integrated solar system and long-life battery, it provides a warm, welcoming glow without relying on the grid. Its pared-down form and durable build make it as resilient as it is stylish, proving that solar-powered lighting can be both eco-friendly and design-forward. Aleta offers an accessible way to embrace sustainability without compromising on atmosphere or quality.

Why these awards matter
The Red Dot Design Award and iF Design Award are benchmarks of global design

excellence, recognising products that set new standards in usability, innovation, and visual impact. By choosing to stock products like Moov and Aleta, Eurolux makes world-class lighting design available locally, giving South African homes and spaces access to the same innovations celebrated on the global stage.

Enquiries: www.eurolux.co.za

By choosing to stock products like Moov and Aleta, Eurolux makes world-class lighting design available locally, giving South African homes and spaces access to the same innovations celebrated on the global stage.

– Eurolux

5 Year Warranty
550 Lumens per Watt

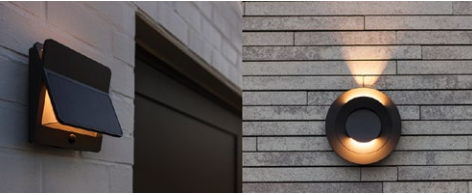
O652

3 Year Warranty
1100 Lumens per Watt

O656

5 Year Warranty
1000 Lumens per Watt

O653



Eurolux brings international design excellence to your stoep

While we rely on outdoor lighting for both security and function, well designed pieces bring much more, from brilliant sculptural effects to added elegance and dramatic accents - which is why we find these internationally awarded exterior lights irresistible!

The Lutec Moov Exterior Light (O652), winner of both the Red Dot Design and iF Design awards this year, makes use of inventive play of light. Featuring an efficient wall-wash effect and adjustable discs for dynamic accents, its inclined surfaces create subtle light animations. When placed in sequence, Moov offers endless variations of soft, elegant illumination — a true blend of creativity and function.

The Aleta Solar Wall Light (O656) was honoured with a 2025 iF Design Award. Combining architectural minimalism with sustainable innovation and built with high-quality materials, Aleta is not only long-lasting but also eco-conscious with a low-footprint.

The Plato Exterior Wall Light (O653), another iF Design Award winner, was recognised for its purified form, reduced light pollution, and distinctive halo projection, blending functional efficiency with symbolic elegance to create a timeless exterior lighting solution.

For more inspired designs, visit www.eurolux.co.za.

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From quality controller to production manager: Vincent Kamogelo's 15-year journey at LESCO

LESCO Manufacturing believes in more than just producing world-class electrical products; they believe in people. Among the many dedicated individuals who make up their team, some stand out for the way they lead with resilience, patience, and purpose.

One such individual is Vincent Kamogelo. Born in a rural village in Limpopo in 1989, Kamogelo's journey into the world of electrical components began soon after he completed matric. He went on to study electrical engineering up to Level 4 and started working shortly afterwards. Within just six months of his first job, he joined LESCO as a quality controller. From there, he progressed to production supervisor, and today, nearly 15 years later, he holds the role of production manager.

Kamogelo attributes his growth to embracing challenges and learning from them. Over the years, he has become deeply familiar with all of LESCO's components and processes. He is part of the industrialisation process of new product lines and works to help introduce these to employees. Recently, he has been working closely with new staff who use wheelchairs and crutches, ensuring they feel confident in assembling products.

His ability to manage a diverse workforce comes from early life experience. Growing up around a disabled person, he learned from a young age how to care for and understand people with different needs. This shaped his leadership style at LESCO, where he works with employees who are deaf,

physically disabled, or face other mental and physical challenges. His approach is simple: teach step-by-step, be patient, and ensure everyone can assemble a product successfully.

Patience, he believes, is the most essential quality in this environment. "You must keep them close to you," Kamogelo explains. "I make sure each person is focused on one task at a time. I go slowly, keep things simple, and always stay patient."

Every day in his role brings something new. Although often under pressure, Kamogelo sees obstacles as opportunities for growth. He has also learnt that leadership requires the ability to think outside the box and plan carefully.

What excites him most about the job is, firstly, the chance to work alongside LESCO's technical director and founder, David Shapiro. Through their collaboration, Kamogelo has gained technical insights into design and developed his problem-solving skills. Secondly, he thrives on the challenges of the assembly line itself: "The more challenges I get, the more I grow," he says.

As a child, Kamogelo dreamed of becoming an electrical engineer in the mines. Today, he builds sockets, switches, and electrical components – something he describes as being in the same field, but with room for continued growth.

Kamogelo's experience with disabled employees has enabled this mindset. He has seen firsthand that these workers are



often underestimated outside the workplace, with many people assuming they are less intelligent. "They are very clever and have ideas," he says. "I have worked with them for 15 years, and the way I see them, they are harder working than employees without disabilities. People out there think they can't work, but here at LESCO, we teach you, and you become a better person tomorrow."

This culture of inclusion is one of LESCO's greatest strengths. "At LESCO, there is no judgment," Kamogelo explains. "People may look at someone in a wheelchair and think they can't work, but we prove otherwise. We accommodate and teach them."

Managing people, Kamogelo admits, is not easy – but it is rewarding. Every day, he learns something new from the individuals he works with. "People are different, and as a manager, you have to absorb all their differences." His promotion, he says, came from hard work and his commitment to

the staff he manages. "LESCO will work with disabled people for a long time. I am positive. I am always doing more. That's why LESCO saw my potential."

For those who want to follow in his footsteps, Kamogelo has simple advice: adopt a "get-it-done" attitude, stay hungry to learn, work harder than expected, and listen carefully. "Listening is key. When you listen, no one can take that away from you."

Of all his achievements, Kamogelo is most proud of the problems he solves daily. Even during stock shortages, he finds solutions and makes things happen. For him, the reward is not just in solving the problem, but in showing his team what is possible. "I take it to the line so they can see and learn at the same time, and realise they can also solve problems."

Enquiries: <https://lescosk.com/>

Energywise expands industrial lighting range

Energywise has announced the launch of two new additions to its lineup, both engineered for spaces where lighting performance cannot be compromised. The new Bay XT and PUREbox Panel solutions address specific industrial and commercial lighting challenges with purpose-built designs.

Bay XT: linear power with next-level comfort

The Bay XT builds on Energywise's proven Bay XF platform, delivering superior uniformity, lower glare, and high effective lumens of up to 180 lm/W. This advanced linear lighting solution has been specifically

designed to increase visual comfort and safety in forklift environments, where consistent, high-quality illumination is essential for operational efficiency and worker safety.

The Bay XT is locally made, fully serviceable, and built to withstand Africa's challenging conditions. Installation efficiency has been prioritised through the P2000 mounting system, making it lightning-fast to install. The solution is available in both linear and compact variants to suit different space requirements.

For customers who demand high-output lighting that works as hard as they do, the Bay XT represents a fitting solution that combines performance with practical installation benefits.

PUREbox Panel: hygiene meets high performance

Purpose-built for clean rooms, laboratories, and hygiene-critical spaces, the PUREbox Panel combines precise, uniform illumination with a sealed, easy-to-clean design. This specialised solution addresses the stringent requirements of environments where contamination control is paramount.

The PUREbox Panel features a 300 × 600 mm backlit panel design with a 100 mm depth profile. Installation has been simplified to enable single-person installation through the inclusion of secure stabilisation feet, reducing both installation time and labour requirements.

The panel is particularly suited to pharmaceutical, medical, and food processing facilities where hygiene standards and lighting quality must both be maintained to the highest levels. The sealed design ensures easy cleaning whilst maintaining the precise illumination

characteristics required in these demanding applications.

Enquiries: www.energywise.co.za

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- Energy efficiency
- Lighting

DECEMBER 2025 FEATURES

- DBs, switches, sockets and protection
- Tools of the trade
- Lighting

Editor:
Ilana Koegelenberg
061 049 4164
sparks@crown.co.za

Advertising:
Carin Hannay
072 142 5330
carinh@crown.co.za

Design:
Ano Shumba

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Wilhelm du Plessis

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- Energywise

